

INTERNATIONAL SEARCH REPORT

International application No.
PCT/BR 2004/000199

A. CLASSIFICATION OF SUBJECT MATTER IPC⁷: C02F 1/48 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC⁷: C02F		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched -----		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPOQUE, WPI, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,Y	DE 44 42 872 A1 (JAHNKE) 5 June 1996 (05.06.1996) <i>the whole document.</i>	1
X,Y	JP 1-148175 A (MIYANOO TAKAO) 9 June 1989 (09.06.1989) <i>figure 4.</i>	1
X,Y	US 5,113,751 A (HOLCOMON et al.) 19 May 1992 (19.05.1992) <i>abstract, figure 8.</i>	1
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex. </div>		
<div style="display: flex;"> <div style="width: 50%;"> <p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 50%;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search 29 December 2004 (29.12.2004)		Date of mailing of the international search report 7 January 2005 (07.01.2005)
Name and mailing address of the ISA/ AT Austrian Patent Office Dresdner Straße 87, A-1200 Vienna Facsimile No. +43 / 1 / 534 24 / 535		Authorized officer KOLLER G. Telephone No. +43 / 1 / 534 24 / 458

INTERNATIONAL SEARCH REPORT

International application No.
PCT/BR 2004/000199

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 779 245 A1 (BOCCEDA IDRO-SUPERBLOCC S.R.I.) 18 June 1997 (18.06.1997) <i>abstract, figures 1, 2, 2A.</i> —	1
Y	GB 2 210 294 A (HON PUN et al.) 17 June 1989 (17.06.1989) <i>figures 1, 2.</i> —	1
X,P	US 2003/0196945 A1 (SHIAO-CHIH) 23 October 2003 (23.10.2003) <i>figures 1-4, 6.</i> —	1

INTERNATIONAL SEARCH REPORT

International application No.
PCT/BR 2004/000199

Patent document cited in search report			Publication date	Patent family member(s)			Publication date
DE	A	4442872	1996-06-05	none			
EP	A	779245		IT	Y	237333Y	2000-09-05
				IT	U	MI950844U	1997-06-12
				TR	U	970098U	1997-02-21
				EP	A	0779245	1997-06-18
GB	A	2210294	1989-06-07	none			
JP	A	1148175A		none			
		2					
US	A	20030196		none			
		945					
US	A	5113751	1992-05-19	CA	A	2043226	1991-12-01